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TECH CENTER 1600/2900



1600

RAW SEQUENCE LISTING

DATE: 09/18/2002

PATENT APPLICATION: US/09/822,965

TIME: 11:03:45

Input Set : A:\22000-20597.10.txt

Output Set: N:\CRF4\09182002\I822965.raw

ENTERED

4 <110> APPLICANT: Innerarity, Thomas
5 Boren, Jan
7 <120> TITLE OF INVENTION: METHODS AND TOOLS FOR IDENTIFYING
8 COMPOUNDS WHICH MODULATE ATHEROSCLEROSIS BY IMPACTING
9 LDL-PROTEOGLYCAN BINDING
11 <130> FILE REFERENCE: 220002059710
13 <140> CURRENT APPLICATION NUMBER: US 09/822,965
14 <141> CURRENT FILING DATE: 2001-03-29
16 <150> PRIOR APPLICATION NUMBER: US 09/265,222
17 <151> PRIOR FILING DATE: 1999-03-05
19 <150> PRIOR APPLICATION NUMBER: US 60/077,618
20 <151> PRIOR FILING DATE: 1998-03-10
22 <160> NUMBER OF SEQ ID NOS: 25
24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 10
28 <212> TYPE: PRT
29 <213> ORGANISM: Homo sapiens
31 <220> FEATURE:
32 <221> NAME/KEY: MUTAGEN
33 <222> LOCATION: 6
34 <223> OTHER INFORMATION: Missense mutation
36 <400> SEQUENCE: 1
37 Thr Arg Leu Thr Arg Glu Arg Gly Leu Lys
38 1 5 10
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 10
43 <212> TYPE: PRT
44 <213> ORGANISM: Homo sapiens
46 <220> FEATURE:
47 <221> NAME/KEY: MUTAGEN
48 <222> LOCATION: 6
49 <223> OTHER INFORMATION: Missense mutation
51 <400> SEQUENCE: 2
52 Thr Arg Leu Thr Arg Asp Arg Gly Leu Lys
53 1 5 10
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 10
58 <212> TYPE: PRT
59 <213> ORGANISM: Homo sapiens
61 <220> FEATURE:
62 <221> NAME/KEY: MUTAGEN
63 <222> LOCATION: 6

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64 <223> OTHER INFORMATION: Missense mutation
66 <400> SEQUENCE: 3
67 Thr Arg Leu Thr Arg Ala Arg Gly Leu Lys
68 1 5 10
71 <210> SEQ ID NO: 4
72 <211> LENGTH: 10
73 <212> TYPE: PRT
74 <213> ORGANISM: Homo sapiens
76 <220> FEATURE:
77 <221> NAME/KEY: MUTAGEN
78 <222> LOCATION: 6
79 <223> OTHER INFORMATION: Missense mutation
81 <400> SEQUENCE: 4
82 Thr Arg Leu Thr Arg Thr Arg Gly Leu Lys
83 1 5 10
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 10
88 <212> TYPE: PRT
89 <213> ORGANISM: Homo sapiens
91 <220> FEATURE:
92 <221> NAME/KEY: MUTAGEN
93 <222> LOCATION: 6
94 <223> OTHER INFORMATION: Missense mutation
96 <400> SEQUENCE: 5
97 Thr Arg Leu Thr Arg Ser Arg Gly Leu Lys
98 1 5 10
101 <210> SEQ ID NO: 6
102 <211> LENGTH: 10
103 <212> TYPE: PRT
104 <213> ORGANISM: Homo sapiens
106 <220> FEATURE:
107 <221> NAME/KEY: MUTAGEN
108 <222> LOCATION: 6
109 <223> OTHER INFORMATION: Missense mutation
111 <400> SEQUENCE: 6
112 Thr Arg Leu Thr Arg Gln Arg Gly Leu Lys
113 1 5 10
116 <210> SEQ ID NO: 7
117 <211> LENGTH: 10
118 <212> TYPE: PRT
119 <213> ORGANISM: Homo sapiens
121 <220> FEATURE:
122 <221> NAME/KEY: MUTAGEN
123 <222> LOCATION: 5
124 <223> OTHER INFORMATION: Missense mutation
126 <400> SEQUENCE: 7
127 Thr Arg Leu Thr Glu Lys Arg Gly Leu Lys
128 1 5 10
131 <210> SEQ ID NO: 8

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132 <211> LENGTH: 10
133 <212> TYPE: PRT
134 <213> ORGANISM: Homo sapiens
136 <220> FEATURE:
137 <221> NAME/KEY: MUTAGEN
138 <222> LOCATION: 5
139 <223> OTHER INFORMATION: Missense mutation
141 <400> SEQUENCE: 8
142 Thr Arg Leu Thr Asp Lys Arg Gly Leu Lys
143 1 5 10
146 <210> SEQ ID NO: 9
147 <211> LENGTH: 10
148 <212> TYPE: PRT
149 <213> ORGANISM: Homo sapiens
151 <220> FEATURE:
152 <221> NAME/KEY: MUTAGEN
153 <222> LOCATION: 7
154 <223> OTHER INFORMATION: Missense mutation
156 <400> SEQUENCE: 9
157 Thr Arg Leu Thr Arg Lys Glu Gly Leu Lys
158 1 5 10
161 <210> SEQ ID NO: 10
162 <211> LENGTH: 10
163 <212> TYPE: PRT
164 <213> ORGANISM: Homo sapiens
166 <220> FEATURE:
167 <221> NAME/KEY: MUTAGEN
168 <222> LOCATION: 7
169 <223> OTHER INFORMATION: Missense mutation
171 <400> SEQUENCE: 10
172 Thr Arg Leu Thr Arg Lys Asp Gly Leu Lys
173 1 5 10
176 <210> SEQ ID NO: 11
177 <211> LENGTH: 10
178 <212> TYPE: PRT
179 <213> ORGANISM: Homo sapiens
181 <220> FEATURE:
182 <221> NAME/KEY: MUTAGEN
183 <222> LOCATION: 2
184 <223> OTHER INFORMATION: Missense mutation
186 <400> SEQUENCE: 11
187 Thr Glu Leu Thr Arg Lys Arg Gly Leu Lys
188 1 5 10
191 <210> SEQ ID NO: 12
192 <211> LENGTH: 10
193 <212> TYPE: PRT
194 <213> ORGANISM: Homo sapiens
196 <220> FEATURE:
197 <221> NAME/KEY: MUTAGEN

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Input Set : A:\22000-20597.10.txt
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198 <222> LOCATION: 2
199 <223> OTHER INFORMATION: Missense mutation
201 <400> SEQUENCE: 12
202 Thr Asp Leu Thr Arg Lys Arg Gly Leu Lys
203 1 5 10
206 <210> SEQ ID NO: 13
207 <211> LENGTH: 9
208 <212> TYPE: PRT
209 <213> ORGANISM: Homo sapiens
211 <220> FEATURE:
212 <221> NAME/KEY: MUTAGEN
213 <222> LOCATION: (5)...(6)
214 <223> OTHER INFORMATION: Single amino acid deletion between residues 5 and
215 6
217 <400> SEQUENCE: 13
218 Thr Arg Leu Thr Arg Arg Gly Leu Lys
219 1 5
222 <210> SEQ ID NO: 14
223 <211> LENGTH: 9
224 <212> TYPE: PRT
225 <213> ORGANISM: Homo sapiens
227 <220> FEATURE:
228 <221> NAME/KEY: MUTAGEN
229 <222> LOCATION: (4)...(5)
230 <223> OTHER INFORMATION: Single amino acid deletion between residues 4 and
231 5
233 <400> SEQUENCE: 14
234 Thr Arg Leu Thr Lys Arg Gly Leu Lys
235 1 5
238 <210> SEQ ID NO: 15
239 <211> LENGTH: 9
240 <212> TYPE: PRT
241 <213> ORGANISM: Homo sapiens
243 <220> FEATURE:
244 <221> NAME/KEY: MUTAGEN
245 <222> LOCATION: (6)...(7)
246 <223> OTHER INFORMATION: Single amino acid deletion between residues 6 and
247 7
249 <400> SEQUENCE: 15
250 Thr Arg Leu Thr Arg Lys Gly Leu Lys
251 1 5
254 <210> SEQ ID NO: 16
255 <211> LENGTH: 11
256 <212> TYPE: PRT
257 <213> ORGANISM: Homo sapiens
259 <220> FEATURE:
260 <221> NAME/KEY: MUTAGEN
261 <222> LOCATION: 6
262 <223> OTHER INFORMATION: Insertion of a single amino acid

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Input Set : A:\22000-20597.10.txt
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264 <400> SEQUENCE: 16
265 Thr Arg Leu Thr Arg Glu Lys Arg Gly Leu Lys
266 1 5 10
269 <210> SEQ ID NO: 17
270 <211> LENGTH: 11
271 <212> TYPE: PRT
272 <213> ORGANISM: Homo sapiens
274 <220> FEATURE:
275 <221> NAME/KEY: MUTAGEN
276 <222> LOCATION: 7
277 <223> OTHER INFORMATION: Insertion of a single amino acid
279 <400> SEQUENCE: 17
280 Thr Arg Leu Thr Arg Lys Glu Arg Gly Leu Lys
281 1 5 10
284 <210> SEQ ID NO: 18
285 <211> LENGTH: 11
286 <212> TYPE: PRT
287 <213> ORGANISM: Homo sapiens
289 <220> FEATURE:
290 <221> NAME/KEY: MUTAGEN
291 <222> LOCATION: 6
292 <223> OTHER INFORMATION: Insertion of a single amino acid
294 <400> SEQUENCE: 18
295 Thr Arg Leu Thr Arg Asp Lys Arg Gly Leu Lys
296 1 5 10
299 <210> SEQ ID NO: 19
300 <211> LENGTH: 11
301 <212> TYPE: PRT
302 <213> ORGANISM: Homo sapiens
304 <220> FEATURE:
305 <221> NAME/KEY: MUTAGEN
306 <222> LOCATION: 7
307 <223> OTHER INFORMATION: Insertion of a single amino acid
309 <400> SEQUENCE: 19
310 Thr Arg Leu Thr Arg Lys Asp Arg Gly Leu Lys
311 1 5 10
314 <210> SEQ ID NO: 20
315 <211> LENGTH: 10
316 <212> TYPE: PRT
317 <213> ORGANISM: Homo sapiens
319 <220> FEATURE:
320 <221> NAME/KEY: BINDING
321 <222> LOCATION: (1)...(10)
322 <223> OTHER INFORMATION: Putative proteoglycan binding site of wild-type
323 human apo-B100 protein
325 <400> SEQUENCE: 20
326 Thr Arg Leu Thr Arg Lys Arg Gly Leu Lys
327 1 5 10
330 <210> SEQ ID NO: 21

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/822,965

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TIME: 11:03:46

Input Set : A:\22000-20597.10.txt

Output Set: N:\CRF4\09182002\I822965.raw

L:346 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:21